1st & final bill

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

485309

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work:- Improvements of CC road from Excel Kalyana mantapa road Bharathi theatre road Lakshmaiah building road & Anugha hotel side road link to NH4 road in Dasarahalli ward 15						
	Estimate cost:- RS 15.00 lakhs.						
	Job Code:- 015-20-000011 P- Code - 1771						
	W.O No:- EE|DD|WO|4071|19-20, Dt:27|09|19.						
	AA No:- EE|DD|AS|129|19-20. Dt:17|06|19.						
	T.S No:- EE|DD|TS|54|19-20, Dt:30|01|19.						
	Agency:- Sri manjunath N.C.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:-1 Dismantling of existing Structures like culverts, Bridges, Retaining walls & other Structure comprising of masonry, cement Concrete, wood work, Steel work, including T&P & Scaffolding wherever necessary, Sifting the material, disposal of unserviceable material & Stacking the Serviceable material complete as per specifications.						
	Excel Kalyana mantapa Road	1	17.50	$\frac{(14.30+6.70+5.50)}{3}$		0.20	30.91 cum
	Bharathi Theatre Road	1	11.20	$\frac{(8.00+11.40)}{2}$		0.25	27.16 -11-
	Dharmasthala Hotel Road	1	20.00	$\frac{(6.20+5.30+6.00)}{3}$		0.20	23.32 -11-
	Ayyappa mess Road	1	16.20	$\frac{(5.00+4.50+6.00)}{3}$		0.20	16.72 -11-
	Nagamureshwara temple Road	1	21.00	$\frac{(4.00+4.50)}{2}$		0.20	17.85 -11-
	New masjid Road	1	17.50	$\frac{(6.00+6.60)}{2}$		0.20	22.05 -11-

Checked & Recorded
Asst. Engr.

M. A. R. 57 (Rule 116) No. E
Measurement Book
485310

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	New masjid Road 1	1	15.00	$\frac{(1.20+1.20)}{2}$		0.20	3.60 -11-
	New masjid Road 1	1	14.00	$\frac{(2.40+2.40)}{2}$		0.20	6.72 -11-
	New masjid Road 1	1	27.60	$\frac{(3.30+1.50+2.60)}{3}$		0.20	13.58 -11-
							= 161.90 cum
							= 158.70 cum
							285882.00 /-

Checked & Recorded
Asst. Engr.
27/12/19

@ Rs 1801.40/cum

qty limited to

Item No:-2 Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 mtrs & an average lift upto 0.50 m

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	excavated surface levelled & sides neatly dressed the disposed earth to be levelled neatly after making of drains complete as per Specifications.						
		1	17.50	$\frac{(14.30+0.7+5.5)}{3}$		0.10	15.45 cum
		1	11.20	$\frac{(8.00+11.40)}{2}$		0.15	16.30 -11-
		1	20.00	$\frac{(6.2+5.3+6.00)}{3}$		0.10	11.66 -11-
		1	16.20	$\frac{(5.00+4.50+6.00)}{3}$		0.10	8.36 -11-
		1	21.00	$\frac{(4.00+4.50)}{2}$		0.10	8.93 -11-
		1	17.50	$\frac{(6.00+6.60)}{2}$		0.10	11.03 -11-
		1	15.00	$\frac{(1.20+1.90)}{2}$		0.10	1.80 -11-

Checked by
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಕಛೇರಿ
ಶ್ರೀ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಜಿ.ಪಂ.ಲಿ.
ಬೆಂಗಳೂರು-560073

M. A. R. 57 (Rule 116) No. E 485311
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Checked by ಸ. ಕಾ. ಅ. ಅ. ಬಾಗಲಗುಂಟೆ	1	14.00	$\frac{(2.40+2.40)}{2}$		0.10	3.36 -11-
		1	27.60	$\frac{(3.30+1.50+2.10)}{3}$		0.10	6.78 -11-
							⇒ 83.67 cum
	AE 27/12/19						only limited to 79.35 cum
				@ Rs 147.38/cum			11695.00/-

Item No:-3. Providing, laying, spreading & compacting graded stone aggregates to wet mix macadam specifications including Pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	to Sik laying in uniform layers with Paver in Sub-base / base course well prepared surface & required density Complete as per Specifications.						
		1	17.50	$\frac{(14.3+16.7+15.5)}{3}$		0.15	23.18 cum
		1	11.20	$\frac{(8.00+11.40)}{2}$		0.33	24.29 -11-
		1	20.00	$\frac{(6.20+5.30+6.00)}{3}$		0.15	17.49 -11-
		1	16.20	$\frac{(5.00+4.50+6.00)}{3}$		0.15	12.54 -11-
		1	21.00	$\frac{(4.00+4.50)}{2}$		0.15	13.39 -11-
		1	17.50	$\frac{(6.00+6.60)}{2}$		0.15	16.54 -11-
		1	15.00	$\frac{(1.20+1.20)}{2}$		0.15	2.70 -11-
		1	14.00	$\frac{(2.40+2.40)}{2}$		0.15	5.04 -11-

Checked as Per
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ. ದಾಸರಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಜಿ.ವಿ.ಪಿ
ಬೆಂಗಳೂರು-560073

M. A. R. 57 (Rule 116)
Measurement Book

No. E 485312

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಬಾಗಲಗುಂಟೆ	1	97.60	(3.3+1.5+2.6)		0.15	10.18 -11-
	@ RS-				3		126.04 cum
	cum -AE					city limited to -)	121.67 cum.
	@ Rs. 21	40.37	cum				2604129.00/-
Item No 1.4.	Providing & laying plain cement Concrete of mix 1:3:6 with OPC @ 220kgs/ with Crushed 40mm & down Size graded granite metal work aggregate @ 0.89 & fine aggregate @ 0.46 cum vibration including Curing for 14 days including cost of all materials labour, Hom Curing, form works Scaffolding & Centering Complete as per Specifications.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	17.50	$\frac{(14.30+6.70+5.50)}{3}$		0.10	15.45 cum
		1	11.20	$\frac{(8.00+11.40)}{2}$		0.10	10.86 -11-
		1	20.00	$\frac{(6.20+5.30+6.00)}{3}$		0.10	17.66 -11-
		1	16.20	$\frac{(5.00+4.50+6.00)}{3}$		0.10	8.36 -11-
		1	21.00	$\frac{(4.00+4.50)}{2}$		0.10	8.93 -11-
		1	17.50	$\frac{(6.00+6.60)}{2}$		0.10	11.03 -11-
		1	15.00	$\frac{(1.20+1.20)}{2}$		0.10	1.80 -11-
		1	14.00	$\frac{(2.40+2.40)}{2}$		0.10	3.36 -11-
		1	27.60	$\frac{(33+1.50+2.10)}{3}$		0.10	6.78 -11-
							⇒ 78.24 cum

Checked AE
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ. ದಾಸರಹಳ್ಳಿ ಕಾಯ್ದೆ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಪಿ.ಎಂ.ಸಿ
ಬೆಂಗಳೂರು 560073

M. A. R. 57 (Rule 116) No. E
Measurement Book
435313

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Returned AE 27.1.20	@ NS	5798.72	only	limited	to ⇒	52.90 cum
				sqm			3067520.00/-

Item No:- 5. Construction of un-reinforced plain Cement Concrete pavement. thickness as per design over a prepared Sub-base with OPC Cement & any other type as per with 25mm & down size graded granite metal coarse aggregates & fine aggregates with Superplasticiser @ 3 ltrs mixed in a Concrete mixer of not less than 0.60 cum Capacity & approximate dough factor as per approved mix design. laid in approved fixed side form work & Spreading the Concrete with Shovels; Tracktss compacted using Needle; Screed & Float finished & finished

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	finishing to lines & glades as per drawing complete as per Specification M30.						
		1	17.50	(14.30+6.70+5.50)/3		0.10	15.45 cum
		1	11.20	(8.00+11.40)/2		0.15	16.30 -11-
		1	20.00	(6.20+5.30+6.00)/3		0.10	11.66 -11-
		1	16.20	(5.00+4.50+6.00)/3		0.10	8.36 -11-
		1	21.00	(4.00+4.50)/2		0.10	8.93 -11-
		1	17.50	(6.00+6.60)/2		0.10	11.03 -11-
		1	15.00	(1.30+1.20)/2		0.10	1.80 -11-
		1	14.00	(2.40+3.40)/2		0.10	3.36 -11-
		1	27.60	(3.30+1.50+2.60)/3		0.10	6.79 -11-
							83.67 cum

Checked & the
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಪಂ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

M. A. R. 57 (Rule 116) No. E 485314
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Carried to AE 31/1/20	@Rs 557	3.12/cum	qty	limited to ⇒		79.35 cum 44227.00/-
Item No:-6	Vaccum de-watering with vaccum pump & Suction mat & compaction with Skin floater Clubbed with floating edge including cost of generator Hom of machinery & road vibratory, power floater, blade & edge etc, with all lead & lift.						
		1	17.50	(14.30+6.70+5.50)/3			154.53 Sqm
		1	11.20	(8.00+11.40)/2			108.64 -11-

Checked & the
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಪಂ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		1	20.00	(6.20+5.30+6.00)/3		116.60	
		1	16.90	(5.00+4.50+6.00)/3		83.58	
		1	21.00	(4.00+4.50)/2		89.25	
		1	17.50	(6.00+6.60)/2		110.25	
		1	15.00	(1.30+1.90)/2		18.00	
		1	14.00	(2.40+2.40)/2		33.60	
		1	27.60	(3.30+4.50+2.60)/3		67.90	
						782.35 Sq m	
						529.00 Sq m	
						40781.00/-	

Checked & the
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ. ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ ಬೆಂಗಳೂರು
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಪಿ.ಎ.
ಬೆಂಗಳೂರು-560073

city limited to ⇒
@ Rs 77.09/Sqm

M. A. R. 57 (Rule 116) No. E
Measurement Book
485315

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
Item	No:- 7 Disposal of rubbis to the final place of disposal with all lead & lift & as direction by the engineer in charge of the work, lead 4 KM @ Basic Rate for haulage of materials (as per a) Average width of work c) Add loading & Unloading.						
	ಸಹಾಯಕ ಅಭಿಯಂತರರು ಬಾಗಲಗುಂಟೆ AE 21/12/20	aty vide Item No- 2 @ Rs 74.65/cum				83.67 cum	62416.00/-
					Sub total ⇒		1354002.00/-
					GST 12% ⇒		162480.00/-
	(Fifteen lakhs Sixteen thousand four hundred & eighty two Rupees only)				Grand total ⇒		1516482.00/-

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MEASUREMENT BOOK

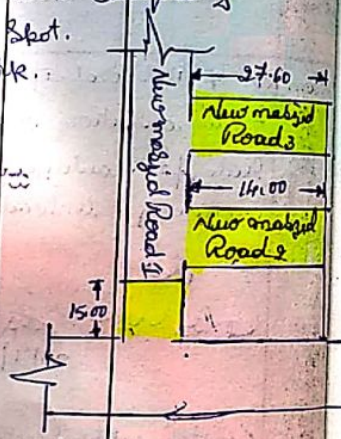
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Certificate:

1) This is Certify that the Contractor has completed the work Satisfactorily.
2) The Contractor has cleared the debris from the work Spot.
3) There are no departmental issues for the above work.

AE
31/1/20

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ. ರಾಜರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಪಿ.ಡಬ್ಲ್ಯು.ಡಿ.
ಬೆಂಗಳೂರು-560073.

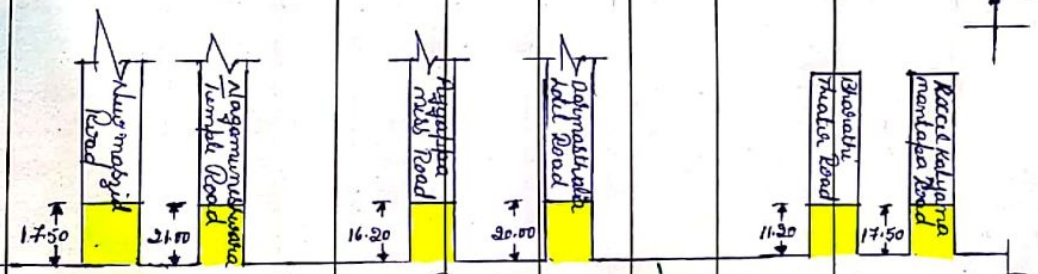


AE
31/1/20

M. A. R. 57 (Rule 116)
Measurement Book
No. E 485316

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



NH 4 Service Road.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ. ರಾಜರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಪಿ.ಡಬ್ಲ್ಯು.ಡಿ.
ಬೆಂಗಳೂರು-560073

31/1/20

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